

ATTY. DOCKET N^o: 5717YA**COMBINED DECLARATION AND POWER OF ATTORNEY
IN A CONTINUATION-IN-PART PATENT APPLICATION**

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name; that I believe that I am the original, first and sole inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

BATTERY PACK HAVING MEMORY

described and claimed in the specification as filed on March 30, 1995 as U.S. Serial N^o 08/415,075.

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, § 1.56(a).

CLAIM FOR BENEFIT OF EARLIER U.S.**APPLICATIONS UNDER 35 U.S.C. 120**

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States applications that are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in those prior applications in the manner provided by the first paragraph of Title 35, United States Code, § 112, we acknowledge the duty to disclose information that is material as defined Title 37, Code of Federal Regulations, § 1.56(a), which occurred between the filing date of the prior applications and the filing date of this application.

The present application is a continuation-in-part of U.S. application Serial No. 08/134,881 (Attorney Docket No. 35717Y) filed October 12, 1993, which is a continuation of U.S. application Serial No. 07/769,337 (Attorney Docket No. 35717AAX) filed October 1, 1991 (now U.S. Pat. No. 5,278,487 issued January 11, 1994), which is a continuation of U.S. application Serial No. 07/544,230 (Attorney Docket No. 5717AA) filed June 26, 1990 (now

abandoned), which is a division of U.S. application Serial No. 07/422,226 (Attorney Docket No. 5717A) filed October 16, 1989 (now U.S. Pat. No. 4,961,043 issued October 2, 1990), which is a division of U.S. application Serial No. 07/168,352 (Attorney Docket No. 5717Y) filed March 15, 1988 (now U.S. Pat. No. 4,885,523 issued December 5, 1989).

Said application U.S. application Serial No. 07/168,352 is in turn a continuation-in-part of U.S. application Serial No. 06/944,503 (Attorney Docket No. 5717X) filed December 18, 1986 (now U.S. Pat. No. 4,737,702 issued April 12, 1988), which is a continuation-in-part of U.S. application Serial No. 06/876,194 (Attorney Docket No. 5717) filed June 19, 1986 (now U.S. Pat. No. 4,709,202 issued November 24, 1987), which is division of U.S. application Serial No. 06/797,235 (Attorney Docket No. 5768) filed November 12, 1985 (now U.S. Pat. No. 4,716,354 issued December 29, 1987), which is a continuation-in-part of U.S. application Serial No. 06/612,588 (Attorney Docket No. 6165) filed May 21, 1984 (now U.S. Pat. No. 4,553,081 issued November 12, 1985), which is a continuation-in-part of U.S. application Serial No. 06/385,830 (Attorney Docket No. 6164) filed June 7, 1982 (now U.S. Pat. No. 4,455,523 issued June 19, 1984).

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business with the Patent and Trademark Office connected therewith:

William M. Wesley	Reg. N° 26,521
Herbert D. Hart, III	Reg. N° 30,063
Robert W. Fieseler	Reg. N° 31,826
George P. McAndrews	Reg. N° 22,760
John J. Held	Reg. N° 21,061
Timothy J. Malloy	Reg. N° 25,600
J. Michael Jarvis	Reg. N° 27,341
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Priscilla F. Gallagher	Reg. N° 32,223
Robert B. Polit	Reg. N° 33,993
George F. Wheeler	Reg. N° 28,766
D. David Hill	Reg. N° 35,543
Christopher C. Winslade	Reg. N° 36,308

Thomas J. Wimbiscus
John S. Artz
Gregory C. Schodde
Edward A. Mas
Patrick J. Arnold
Kirk A. Vander Leest

Reg. N° 36,059
Reg. N° 36,431
Reg. N° 36,668
Reg. N° 37,179
Reg. N° 37,769
Reg. N° 34,036

of MCANDREWS, HELD & MALLOY, LTD., Suite 3400, 500 West Madison Street, Chicago, Illinois 60661.
Telephone (312) 707-8889; and

Sean Patrick Suiter
of Omaha, Nebraska; and

Reg. N° 34,260

Van Metre Lund
of North Brook, Illinois; and

Reg. N° 16,968

R. Lewis Gable
of Washington, D.C.; and

Reg. N° 22,479

H. Robert Henderson
Michael O. Sturm
Richard L. Fix
Curtis A. Bell
of Des Moines, Iowa; and

Reg. N° 18,486
Reg. N° 26,078
Reg. N° 28,297
Reg. N° 36,742

John E. Cepican
of Davenport, Iowa; and

Reg. N° 26,851

William H. Wright
Martin G. Mullen
of Washington, DC; and

Reg. N° 26,424
Reg. N° 28,574

John H. Sherman
Donald R. Schoonover
Winifrid O.E. Schellin
of Cedar Rapids, Iowa.

Reg. N° 16,909
Reg. N° 34,924
Reg. N° 25,916

Direct all telephone calls to:

SEAN PATRICK SUITER
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McAndrews, Held & Malloy
Northwestern Atrium Center
500 West Madison, 34th Floor
Chicago, IL 60661

STEVEN E. KOENCK, a Citizen of U.S.A.
964 44th Street, SE
Cedar Rapids IA 52403
Linn County

CONTINUATION-IN-PART DECLARATION
AND POWER OF ATTORNEY

As below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name;

That I verily believe that I am an original and sole first inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled:

"FAST BATTERY CHARGING SYSTEM AND METHOD"

described and claimed in the specification attached herewith or as filed on February 18, 1992 as U.S. Serial No. 07/837,650.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims.

I acknowledge the duty to disclose information which is material to the examination of this application in accordance with Title 37, Code of Federal Regulations, Section 1.56(a).

CLAIM FOR BENEFIT OF EARLIER U.S. APPLICATIONS UNDER 35USC120

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States application(s) or PCT international application(s) designating the United States of America that is/are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in those prior applications in the manner provided by

the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a), which occurred between the filing date of the prior applications and the filing date of this application:

PRIOR U.S. APPLICATIONS FOR WHICH
BENEFIT IS CLAIMED UNDER 35USC120

<u>U. S. APPLICATIONS</u>	<u>U.S. FILING DATE</u>	<u>STATUS</u>
(1) Ser. 385,830	June 7, 1982	Now U.S. Patent No. 4,455,523
(2) Ser. 612,588	May 21, 1984	Now U.S. Patent No. 4,553,081
(3) Ser. 797,235	Nov. 12, 1985	Now U.S. Patent No. 4,716,354
(4) Ser. 876, 194	June 19, 1986	Now U.S. Patent No. 4,709,202
(5) Ser. 944,503	Dec. 18, 1986	Now U.S. Patent No. 4,737,702
(6) Ser. 168,352	March 15, 1988	Now U.S. Patent No. 4,885,523
(7) Ser. 07/266,537	Nov. 2, 1988	Abandoned
(8) Ser. 07/422,226	Oct. 16, 1989	Now U.S. Patent No. 4,961,043
(9) Ser. 07/446,231	Dec. 5, 1989	Abandoned
(10) Ser. 07/478,180	Feb. 9, 1990	Pending
(11) Ser. 07/544,230	June 26, 1990	Abandoned
(12) Ser. 07/769,337	Oct. 1, 1991	Pending

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

- William M. Wesley	Reg. No. 26,521
Herbert D. Hart, III	Reg. No. 30,063
Robert W. Fieseler	Reg. No. 31,826
George P. McAndrews	Reg. No. 22,760
John J. Held, Jr.	Reg. No. 21,061
Timothy J. Malloy	Reg. No. 25,600
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Alejandro Menchaco	Reg. No. 34,389
Priscilla F. Gallagher	Reg. No. 32,223
Robert B. Polit	Reg. No. 33,993
George F. Wheeler	Reg. No. 28,766
D. David Hill	Reg. No. 35,543
(Of McAndrews, Held & Malloy, Ltd., Northwestern Atrium Center, 500 West Madison Street, Chicago, Illinois 60661 Telephone 312/707-8889)	
VanMetre Lund	Reg. No. 16,968
(Of Northbrook, Illinois)	
R. Lewis Gable	Reg. No. 22,479
(Of 2001 Jefferson Davis Highway, Arlington, VA 22202)	
John H. Sherman	Reg. No. 16,909
Winfred O.E. Schellin,	Reg. No. 25,916
(Of Cedar Rapids, Iowa)	
Sean Patrick Suiter (Of Omaha, NE)	Reg. No. 34,260
H. Robert Henderson (Of Des Moines, IA)	Reg. No. 18,486
Michael O. Sturm (Of Des Moines, IA)	Reg. No. 26,078
John E. Cepican (Of Davenport, IA)	Reg. No. 26,851
Richard L. Fix (Of Des Moines, IA)	Reg. No. 28,297
William H. Wright (Of Washington, D.C.)	Reg. No. 26,424
Harold M. Knoth (Of Davenport, IA)	Reg. No. 14,469

Direct all telephone calls to:
Mr. Jack Sherman at Telephone No. 319/369-3661.

Address all correspondence to:
McAndrews, Held & Malloy, Ltd.
Northwestern Atrium Center
500 West Madison Street - 34th Floor
Chicago, IL 60661

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date April 16, 1992

Steven E. Koенck
Steven E. Koенck

Full Name of Sole Inventor: STEVEN E. KOENCK

Residence: Cedar Rapids Linn Iowa
City County State

Post Office Address: 964 44th Street SE
Cedar Rapids, Iowa 52403

Citizenship: United States of America

COMBINED DECLARATION AND POWER OF
ATTORNEY IN CONTINUATION-IN-PART PATENT APPLICATION

As below named inventor, I Ronald D. Becker hereby
declare that:

My residence, post office address and citizenship are
stated below next to my name;

That I verily believe that I am an original and joint
first inventor together with Phillip Miller and Steven E.
Koenck of the subject matter which is claimed and for which
a patent is sought on the invention entitled:

"FAST BATTERY CHARGER"

described and claimed in the specification attached herewith
or as filed on March 23, 1992, as U.S. Serial No.
07/859,591.

I hereby state that I have reviewed and understand the
contents of the above-identified specification, including
the claims.

I acknowledge the duty to disclose information which
is material to the examination of this application in
accordance with Title 37, Code of Federal Regulations,
Section 1.56(a).

CLAIM FOR BENEFIT OF EARLIER U.S.
APPLICATION UNDER 35 U.S.C. § 120

I hereby claim the benefit under Title 35, United States Code, Section 120 of any United States applications that are listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in those prior applications in the manner provided by the first paragraph of Title 35, United States Code, Section 112, I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, Section 1.56(a), which occurred between the filing date of the prior applications and the filing date of this application:

Earlier U.S. Application for Which
Benefit Is Claimed Under 35 U.S.C. § 120

<u>U.S. APPLICATIONS</u>	<u>U.S. FILING DATE</u>	
(1) Ser. 385,830	June 7, 1982	Now U.S. Patent No. 4,455,523
(2) Ser. 612,588	May 21, 1984	Now U.S. Patent No. 4,553,081
(3) Ser. 797,235	Nov. 12, 1985	Now U.S. Patent No. 4,716,354
(4) Ser. 876,194	June 19, 1986	Now U.S. Patent No. 4,709,202
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(6) Ser. 168,352	March 15, 1988	Now U.S. Patent No. 4,885,523
(7) Ser. 266,537	Nov. 2, 1988	Abandoned
(8) Ser. 446,231	Dec. 5, 1989	Pending
(9) Ser. 478,180	Feb. 9, 1990	Pending

(10) Ser. 422,226 Oct. 16, 1989

Now U.S. Patent
No. 4,961,043

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

William M. Wesley	Reg. No. 26,521
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Timothy J. Malloy	Reg. No. 25,600
L. Michael Jarvis	Reg. No. 27,341
Robert C. Ryan	Reg. No. 29,343
Gregory J. Vogler	Reg. No. 31,313
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Alejandro Menchaca	Reg. No. 34,389
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Robert B. Polit	Reg. No. 33,993
George F. Wheeler	Reg. No. 28,766
D. David Hill	Reg. No. 35,543
(Of McAndrews, Held & Malloy, Ltd., Northwestern Atrium Center, Suite 3400, 500 West Madison Street, Chicago, Illinois 60661, Telephone 312-707-8889)	

Donald H. Zarley	Reg. No. 18,543
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(Of Des Moines, Iowa)	

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date 6/1/92

Ronald D. Becker
Ronald D. Becker

Full Name of Joint Inventor: Ronald D. Becker

Residence: Des Moines Polk Iowa
City County State

Post Office Address: 1214 - 31st Street #5J
Des Moines, Iowa 50311

Citizenship: United States of America

COMBINED DECLARATION AND POWER OF
ATTORNEY IN CONTINUATION-IN-PART PATENT APPLICATION

As below named inventor, I Phillip Miller hereby
declare that:

My residence, post office address and citizenship are
stated below next to my name;

That I verily believe that I am an original and joint
first inventor together with Steven E. Koenck and Ronald D.
Becker of the subject matter which is claimed and for which
a patent is sought on the invention entitled:

"FAST BATTERY CHARGER"

described and claimed in the specification attached herewith
or as filed on March 23, 1992, as U.S. Serial No.
07/859,591.

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Earlier U.S. Application for Which
Benefit Is Claimed Under 35 U.S.C. § 120

<u>U.S. APPLICATIONS</u>	<u>U.S. FILING DATE</u>	
(1) Ser. 385,830	June 7, 1982	Now U.S. Patent No. 4,455,523
(2) Ser. 612,588	May 21, 1984	Now U.S. Patent No. 4,553,081
(3) Ser. 797,235	Nov. 12, 1985	Now U.S. Patent No. 4,716,354
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(7) Ser. 266,537	Nov. 2, 1988	Abandoned
(8) Ser. 446,231	Dec. 5, 1989	Pending
(9) Ser. 478,180	Feb. 9, 1990	Pending

(10) Ser. 422,226 Oct. 16, 1989

Now U.S. Patent
No. 4,961,043

I hereby appoint as my attorneys, with full powers of substitution and revocation, to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

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D. David Hill	Reg. No. 35,543
(Of McAndrews, Held & Malloy, Ltd., Northwestern Atrium Center, Suite 3400, 500 West Madison Street, Chicago, Illinois 60661, Telephone 312-707-8889)	
Donald H. Zarley	Reg. No. 18,543
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(Of Des Moines, Iowa)	
R. Lewis Gable (Of 2001 Jefferson Davis Highway, Arlington, VA 22202)	
John H. Sherman	Reg. No. 16,909
Winfrid O.E. Schellin	Reg. No. 25,916
(Of Cedar Rapids, Iowa)	
Sean Patrick Suiter (Of Omaha, NE)	Reg. No. 34,260
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John E. Cepican (Of Davenport, IA)	Reg. No. 26,851
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Harold M. Knoth (Of Davenport, IA)	Reg. No. 14,469

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Date May 19, 1992 Phillip Miller
Phillip Miller

Full Name of Joint Inventor: Phillip Miller

Residence: Cedar Rapids Linn Iowa
City County State

Post Office Address: 4114 Sunshine Street SW
Cedar Rapids, Iowa 52404

Citizenship: United States of America

COMBINED DECLARATION AND POWER OF
ATTORNEY IN CONTINUATION-IN-PART PATENT APPLICATION

As below named inventor, I Steven E. Koenck hereby
declare that:

My residence, post office address and citizenship are
stated below next to my name;

That I verily believe that I am an original and joint
first inventor together with Phillip Miller and Ronald D.
Becker of the subject matter which is claimed and for which
a patent is sought on the invention entitled:

"FAST BATTERY CHARGER"

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or as filed on March 23, 1992, as U.S. Serial No.
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<u>U.S. APPLICATIONS</u>	<u>U.S. FILING DATE</u>	
(1) Ser. 385,830	June 7, 1982	Now U.S. Patent No. 4,455,523
(2) Ser. 612,588	May 21, 1984	Now U.S. Patent No. 4,553,081
(3) Ser. 797,235	Nov. 12, 1985	Now U.S. Patent No. 4,716,354
(4) Ser. 876,194	June 19, 1986	Now U.S. Patent No. 4,709,202
(5) Ser. 944,503	Dec. 18, 1986	Now U.S. Patent No. 4,737,702
(6) Ser. 168,352	March 15, 1988	Now U.S. Patent No. 4,885,523
(7) Ser. 266,537	Nov. 2, 1988	Abandoned
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(10) Ser. 422,226 Oct. 16, 1989

Now U.S. Patent
No. 4,961,043

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(Of Des Moines, Iowa)	
R. Lewis Gable (Of 2001 Jefferson Davis Highway, Arlington, VA 22202)	
John H. Sherman	Reg. No. 16,909
Winfried O.E. Schellin	Reg. No. 25,916
(Of Cedar Rapids, Iowa)	
Sean Patrick Suiter (Of Omaha, NE)	Reg. No. 34,260
H. Robert Henderson (Of Des Moines, IA)	Reg. No. 18,486
Michael O. Sturm (Of Des Moines, IA)	Reg. No. 26,078
John E. Cepican (Of Davenport, IA)	Reg. No. 26,851
Richard L. Fix (Of Des Moines, IA)	Reg. No. 28,297
William H. Wright (Of Washington, D.C.)	Reg. No. 26,424
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Date May 18, 1992

Steven E. Koenck
Steven E. Koenck

Full Name of Joint Inventor: STEVEN E. KOENCK

Residence: Cedar Rapids Linn Iowa
City County State

Post Office Address: 964-44th Street, SE
Cedar Rapids, Iowa 52403

Citizenship: United States of America